

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089737.D
 Acq On : 17 Aug 2016 2:18
 Operator : UM/SJ
 Sample : PB92806BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92806BS

Quant Time: Aug 17 04:25:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	824869	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3290989	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	1649954	20.00	ng	0.01
63) Phenanthrene-d10	11.22	188	3050050	20.00	ng	0.01
75) Chrysene-d12	13.87	240	2215647	20.00	ng	-0.02
86) Perylene-d12	15.31	264	2014665	20.00	ng	-0.09

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	5764429	116.60	ng	0.02
7) Phenol-d6	6.34	99	6979449	110.99	ng	0.01
23) Nitrobenzene-d5	7.27	82	4393045	81.51	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	1882418	117.93	ng	0.01
44) 2-Fluorobiphenyl	9.07	172	6296218	61.23	ng	0.00
78) Terphenyl-d14	12.81	244	5865324	79.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	728833	28.56	ng	99
3) Pyridine	2.94	79	2127283	32.34	ng	94
4) n-Nitrosodimethylamine	2.90	42	974191	36.90	ng	86
6) Aniline	6.36	93	2033470	24.06	ng	# 63
8) 2-Chlorophenol	6.49	128	2350224	39.97	ng	83
9) Benzaldehyde	6.24	77	274031	6.57	ng	89
10) Phenol	6.35	94	2380939	30.42	ng	92
11) bis(2-Chloroethyl)ether	6.44	93	1840295	31.73	ng	97
12) 1,3-Dichlorobenzene	6.64	146	2069780	32.93	ng	99
13) 1,4-Dichlorobenzene	6.72	146	2226343	34.96	ng	98
14) 1,2-Dichlorobenzene	6.88	146	2098224	34.56	ng	98
15) Benzyl Alcohol	6.86	79	1765529	42.01	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2498661	32.84	ng	94
17) 2-Methylphenol	6.97	107	1969952	42.17	ng	96
18) Hexachloroethane	7.22	117	858125	36.77	ng	92
19) n-Nitroso-di-n-propylamine	7.13	70	1504326	36.53	ng	94
20) 3+4-Methylphenols	7.12	107	2387139	39.90	ng	# 84
22) Acetophenone	7.12	105	2569496	33.59	ng	# 94
24) Nitrobenzene	7.29	77	2334864	38.51	ng	95
25) Isophorone	7.54	82	4306527	39.94	ng	# 91
26) 2-Nitrophenol	7.61	139	1221026	42.80	ng	99
27) 2,4-Dimethylphenol	7.66	122	2261670	41.83	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	2630283	40.14	ng	97
29) 2,4-Dichlorophenol	7.85	162	1942897	43.16	ng	97
30) 1,2,4-Trichlorobenzene	7.93	180	1822665	37.72	ng	98
31) Naphthalene	8.01	128	5438624	36.82	ng	95
32) Benzoic acid	7.79	122	1333774	31.73	ng	99
33) 4-Chloroaniline	8.06	127	1067263	15.61	ng	# 87
34) Hexachlorobutadiene	8.14	225	931358	36.69	ng	98
35) Caprolactam	8.44	113	353558	25.48	ng	88
36) 4-Chloro-3-methylphenol	8.55	107	1958349	39.96	ng	91
37) 2-Methylnaphthalene	8.71	142	4304936	42.81	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1273094	24.00	ng	99
40) Hexachlorocyclopentadiene	8.87	237	1905314	80.60	ng	98

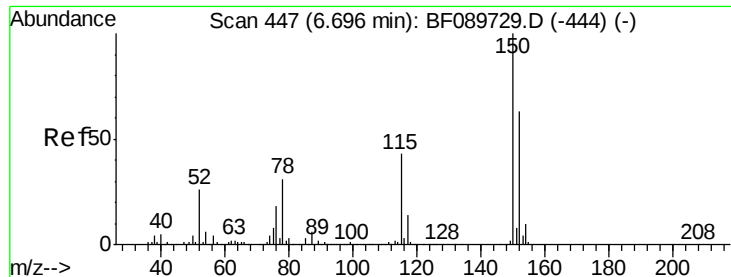
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1324010	38.64	ng	100
43) 2,4,5-Trichlorophenol	9.03	196	1272074	38.94	ng	99
45) 1,1'-Biphenyl	9.18	154	4411691	32.28	ng	94
46) 2-Chloronaphthalene	9.19	162	3559363	34.76	ng	97
47) 2-Nitroaniline	9.29	65	1378675	44.19	ng	# 81
48) Acenaphthylene	9.61	152	5892407	37.38	ng	98
49) Dimethylphthalate	9.48	163	4589115	38.44	ng	97
50) 2,6-Dinitrotoluene	9.53	165	1029411	38.10	ng	# 80
51) Acenaphthene	9.78	154	4495965	42.27	ng	97
52) 3-Nitroaniline	9.70	138	706660	22.49	ng	# 70
53) 2,4-Dinitrophenol	9.80	184	1052222	87.03	ng	99
54) Dibenzofuran	9.95	168	5393423	41.20	ng	96
55) 4-Nitrophenol	9.86	139	2079531	86.04	ng	86
56) 2,4-Dinitrotoluene	9.94	165	1481038	42.64	ng	94
57) Fluorene	10.28	166	3993850	37.76	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	1109286	43.47	ng	98
59) Diethylphthalate	10.18	149	4274791	35.31	ng	97
60) 4-Chlorophenyl-phenylether	10.28	204	1551986	29.89	ng	90
61) 4-Nitroaniline	10.32	138	1268112	41.57	ng	98
62) Azobenzene	10.44	77	4654960	40.70	ng	96
64) 4,6-Dinitro-2-methylphenol	10.34	198	723343	40.84	ng	91
65) n-Nitrosodiphenylamine	10.41	169	3811486	39.82	ng	96
66) 4-Bromophenyl-phenylether	10.78	248	1207325	38.22	ng	# 82
67) Hexachlorobenzene	10.83	284	1250699	35.62	ng	# 79
68) Atrazine	10.94	200	1046146	36.08	ng	95
69) Pentachlorophenol	11.03	266	1493411	68.27	ng	97
70) Phenanthrene	11.29	178	5882750	39.24	ng	96
71) Anthracene	11.29	178	5884899	37.57	ng	97
72) Carbazole	11.45	167	5205495	35.07	ng	94
73) Di-n-butylphthalate	11.80	149	6679703	37.01	ng	# 97
74) Fluoranthene	12.42	202	5149818	34.19	ng	89
76) Benzidine	12.55	184	1631281	20.51	ng	99
77) Pyrene	12.42	202	5149747	35.52	ng	93
79) Butylbenzylphthalate	13.29	149	2801073	38.51	ng	# 85
80) Benzo(a)anthracene	13.85	228	5182640	40.26	ng	96
81) 3,3'-Dichlorobenzidine	13.83	252	1395466	29.75	ng	# 96
82) Chrysene	13.90	228	4148249	35.81	ng	94
83) Bis(2-ethylhexyl)phthalate	13.89	149	4119994	42.80	ng	95
84) Di-n-octyl phthalate	14.54	149	6248414	41.76	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	4247732	43.04	ng	99
87) Benzo(h)fluoranthene	14.96	252	9005911	70.55	ng	96
88) Benzo(k)fluoranthene	14.96	252	9013233	85.78	ng	# 95
89) Benzo(a)pyrene	15.26	252	4443735	42.16	ng	97
90) Dibenzo(a,h)anthracene	16.64	278	3446564	41.53	ng	97
91) Benzo(g,h,i)perylene	17.01	276	3500854	41.45	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

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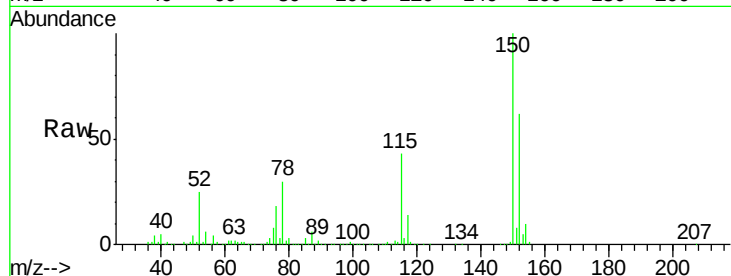
Tgt Ion:152 Resp: 824869

Ion Ratio Lower Upper

152 100

150 160.2 125.3 187.9

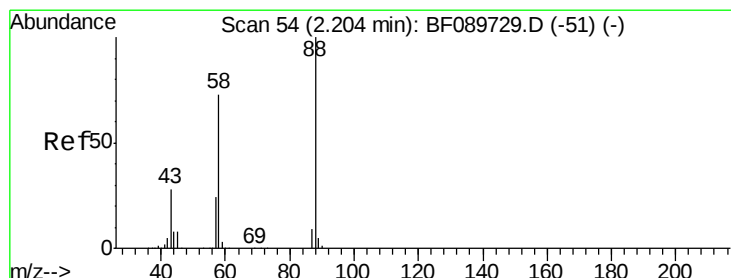
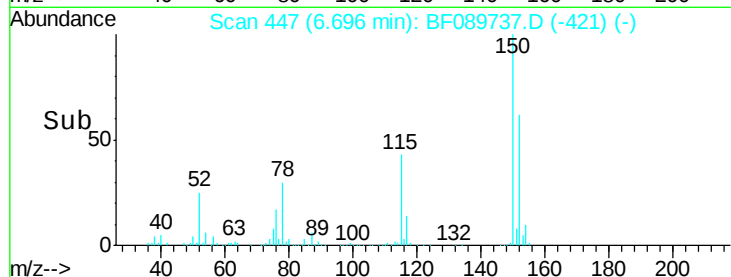
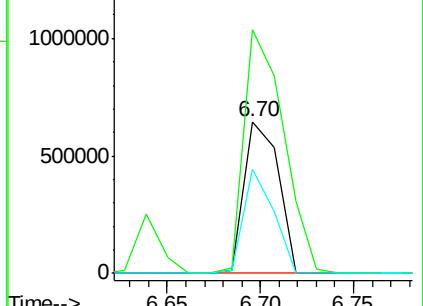
115 68.8 40.9 61.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 28.56 ng

RT: 2.30 min Scan# 62

Delta R.T. 0.09 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

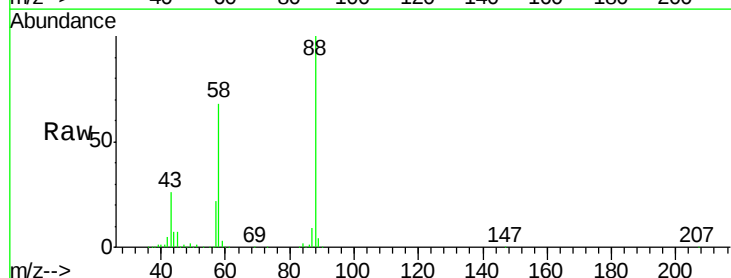
Tgt Ion: 88 Resp: 728833

Ion Ratio Lower Upper

88 100

58 71.8 57.0 85.4

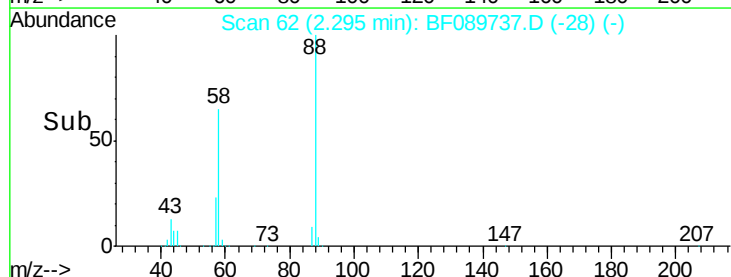
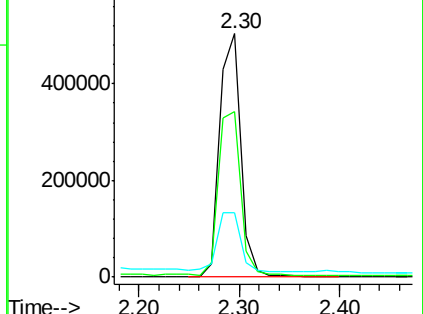
43 27.6 21.8 32.8

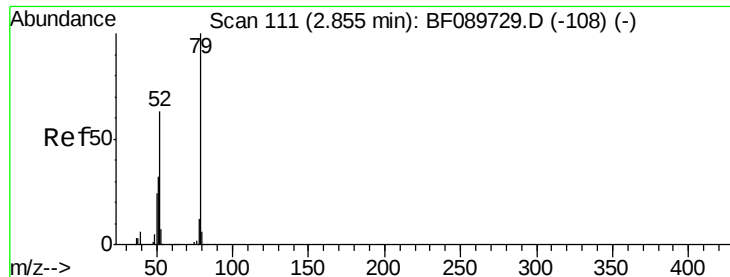


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 32.34 ng

RT: 2.94 min Scan# 118

Delta R.T. 0.08 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

Instrument :

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PB92806BS

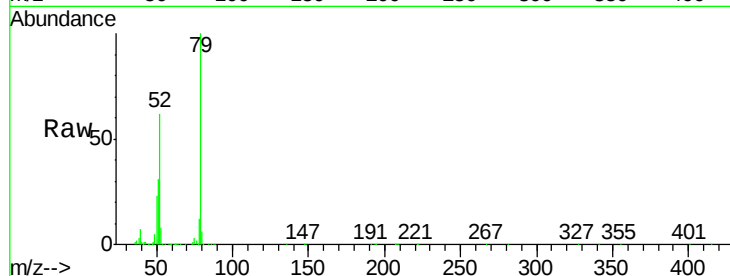
Tgt Ion: 79 Resp: 2127283

Ion Ratio Lower Upper

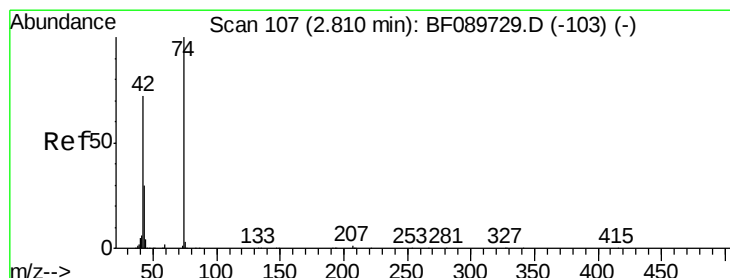
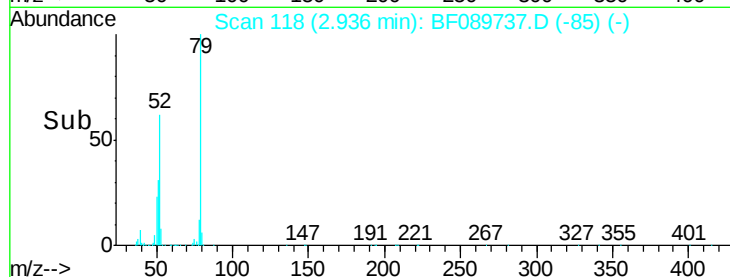
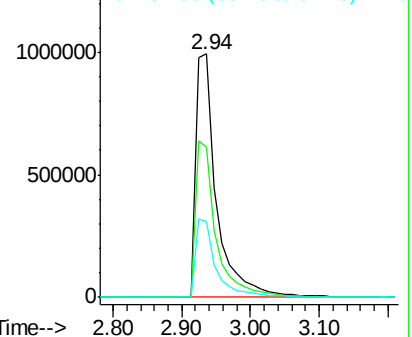
79 100

52 61.6 53.6 80.4

51 31.2 26.6 39.8



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 36.90 ng

RT: 2.90 min Scan# 115

Delta R.T. 0.09 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

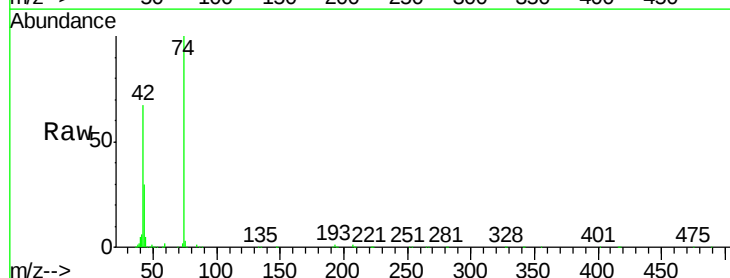
Tgt Ion: 42 Resp: 974191

Ion Ratio Lower Upper

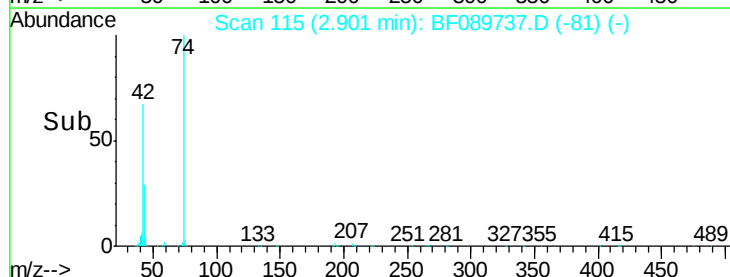
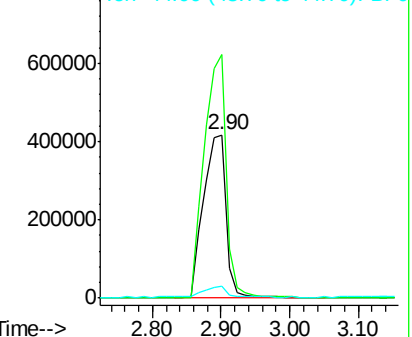
42 100

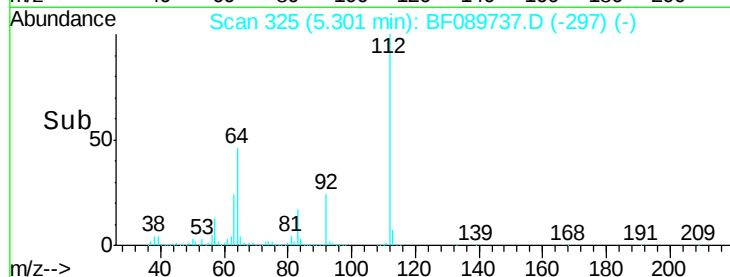
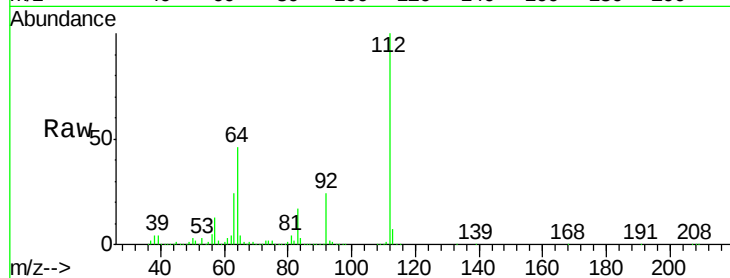
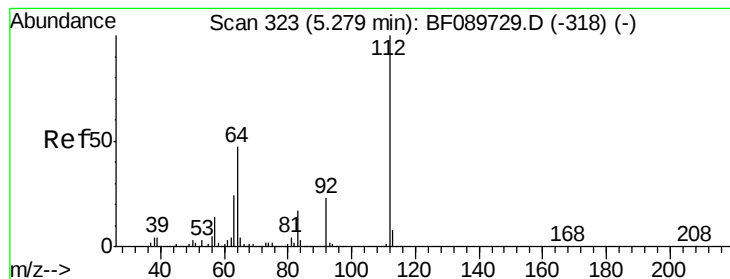
74 149.4 106.2 159.2

44 7.0 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 116.60 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.02 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

Instrument :

BNA_F

ClientSampleId :

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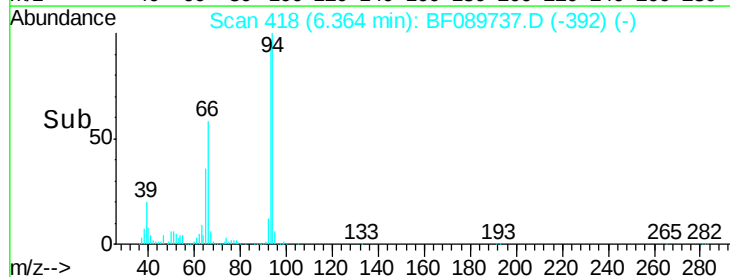
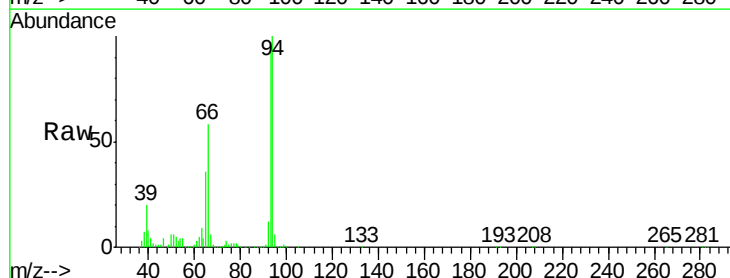
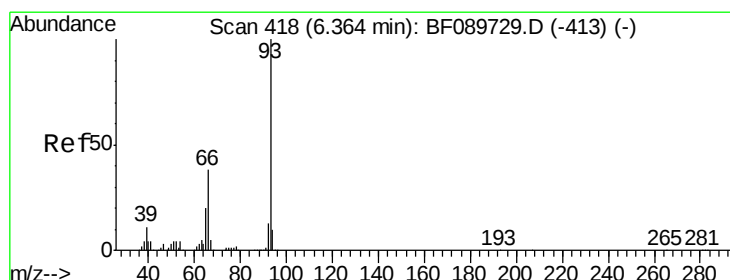
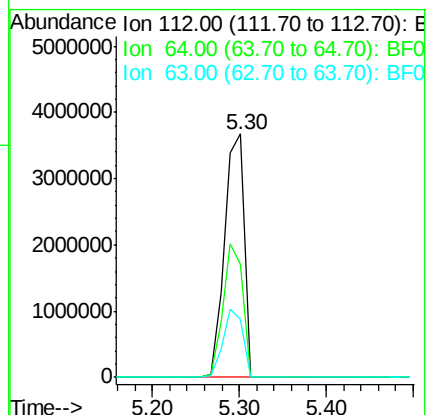
Tgt Ion:112 Resp: 5764429

Ion Ratio Lower Upper

112 100

64 46.4 45.0 67.4

63 23.7 23.1 34.7



#6

Aniline

Concen: 24.06 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

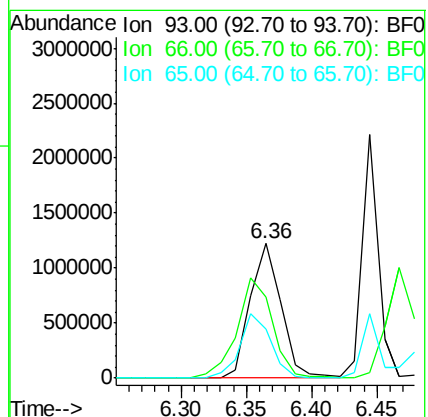
Tgt Ion: 93 Resp: 2033470

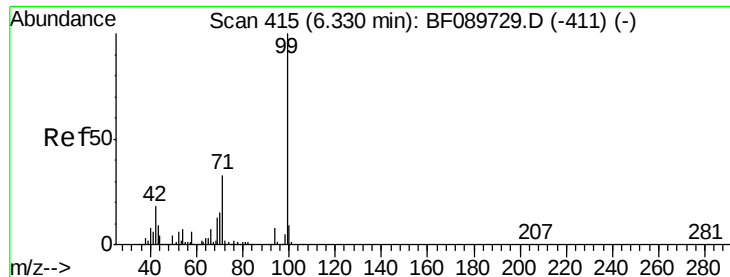
Ion Ratio Lower Upper

93 100

66 59.9 30.6 46.0#

65 36.8 15.4 23.2#





#7

Phenol-d6

Concen: 110.99 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

Instrument :

BNA_F

ClientSampleId :

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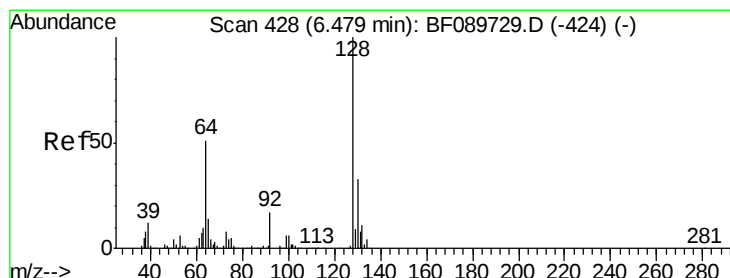
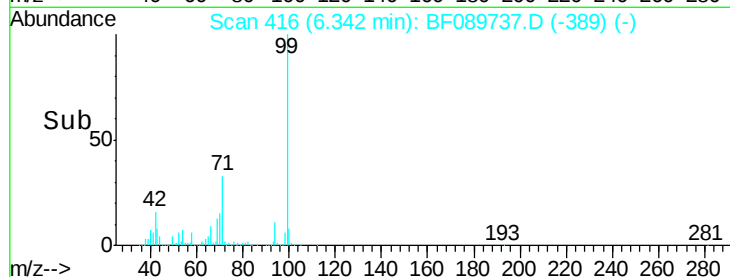
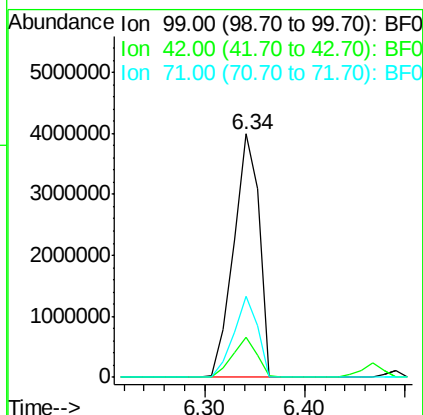
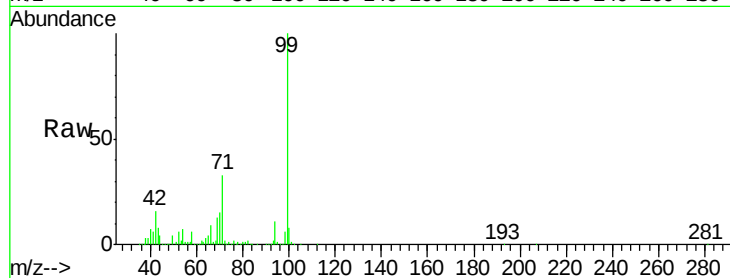
Tgt Ion: 99 Resp: 6979449

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.4

71 33.2 23.8 35.8



#8

2-Chlorophenol

Concen: 39.97 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

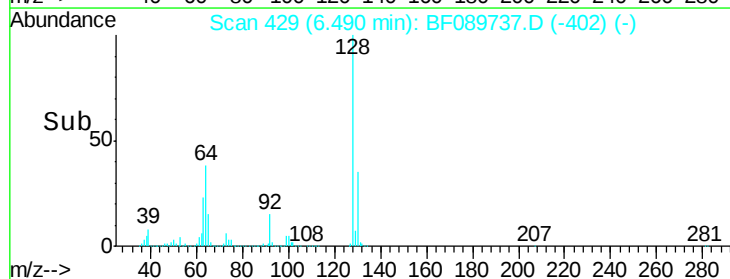
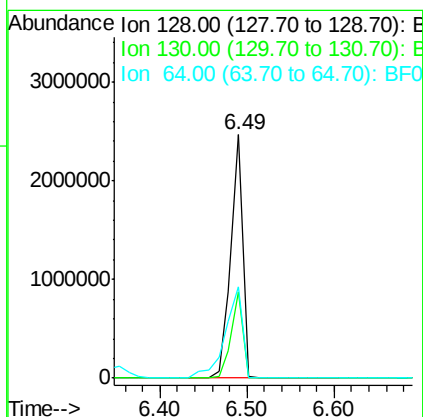
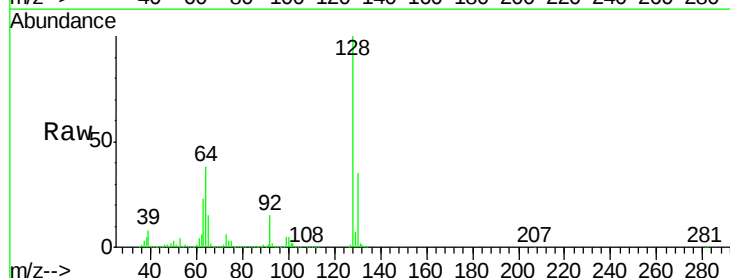
Tgt Ion: 128 Resp: 2350224

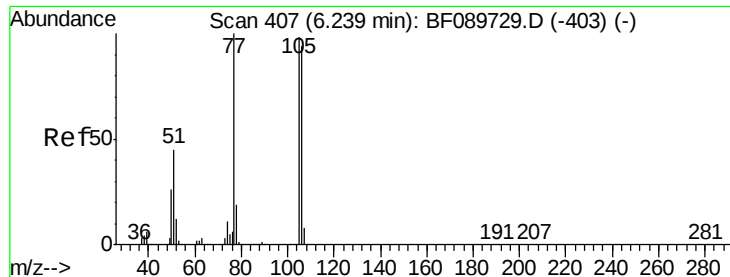
Ion Ratio Lower Upper

128 100

130 35.4 12.0 52.0

64 37.6 35.1 75.1





#9

Benzaldehyde

Concen: 6.57 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089737.D

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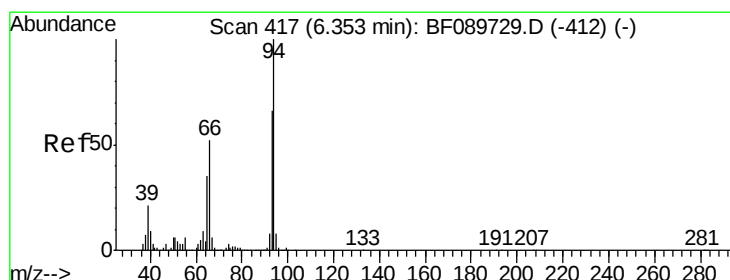
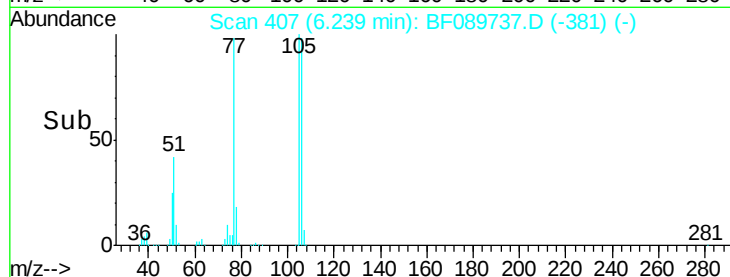
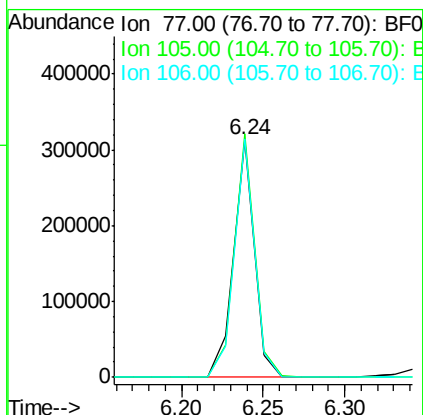
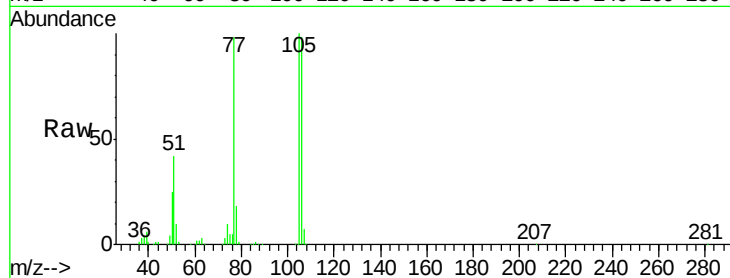
Tgt Ion: 77 Resp: 274031

Ion Ratio Lower Upper

77 100

105 102.5 73.3 113.3

106 100.3 68.6 108.6



#10

Phenol

Concen: 30.42 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

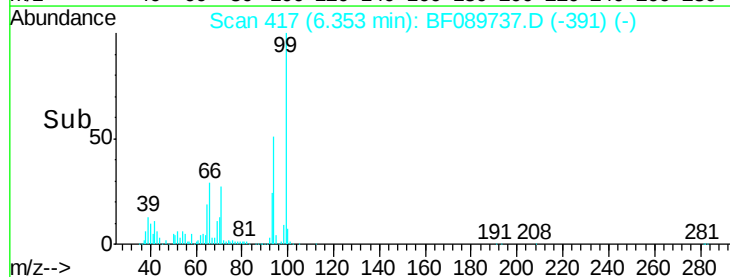
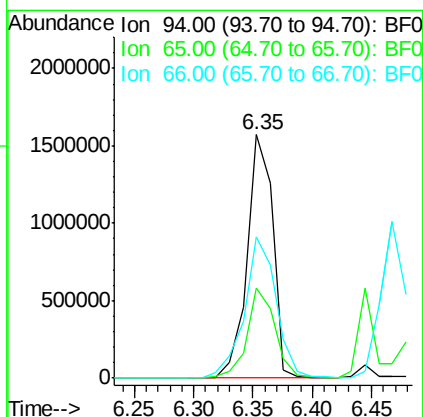
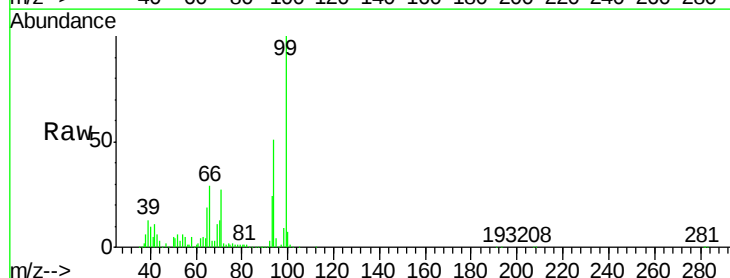
Tgt Ion: 94 Resp: 2380939

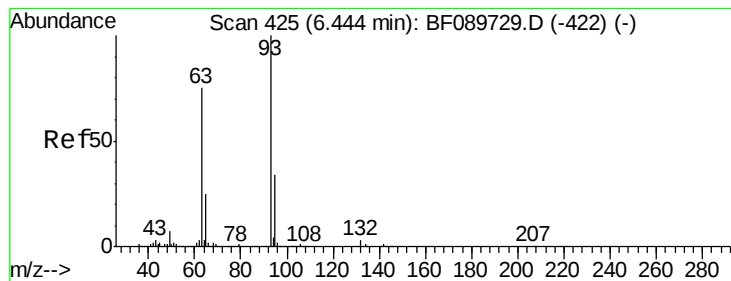
Ion Ratio Lower Upper

94 100

65 37.1 14.0 54.0

66 57.8 31.2 71.2





#11

bis(2-Chloroethyl)ether

Concen: 31.73 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

Instrument :

BNA_F

ClientSampleId :

PB92806BS

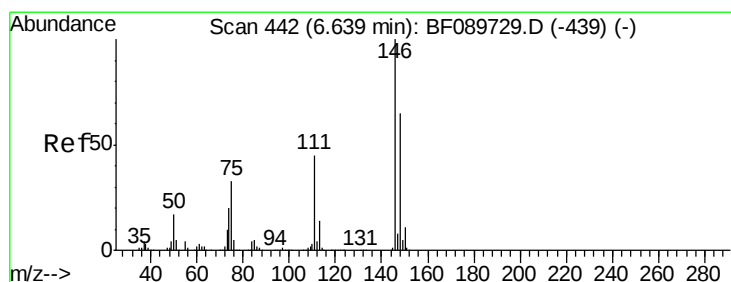
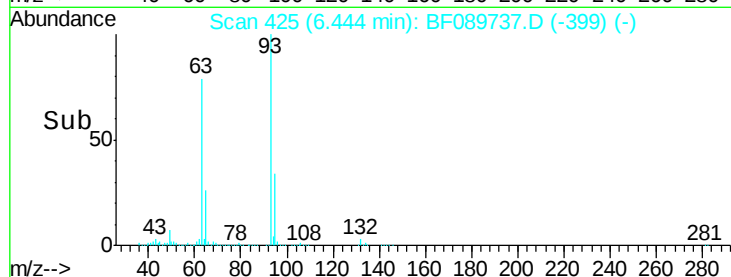
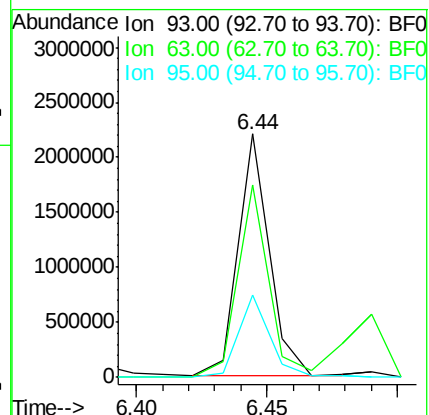
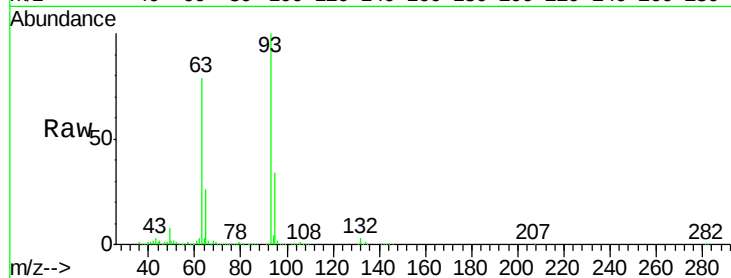
Tgt Ion: 93 Resp: 1840295

Ion Ratio Lower Upper

93 100

63 79.1 55.8 95.8

95 33.8 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 32.93 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

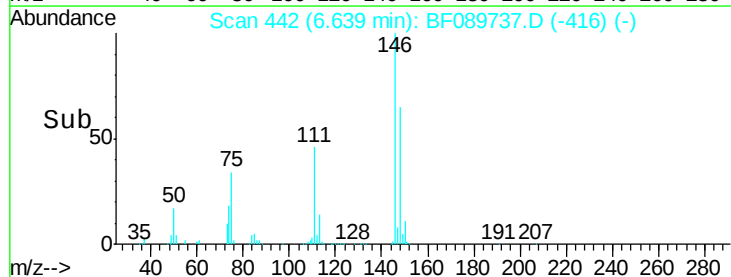
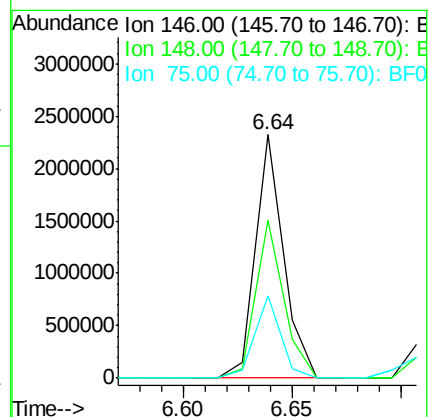
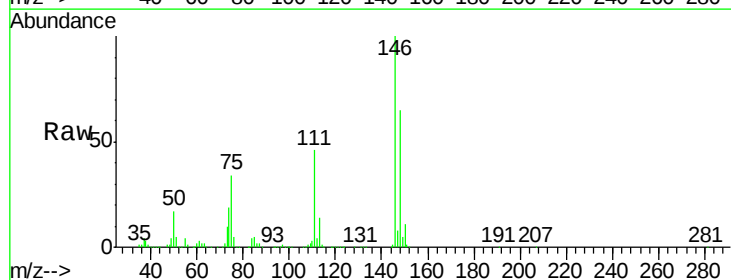
Tgt Ion: 146 Resp: 2069780

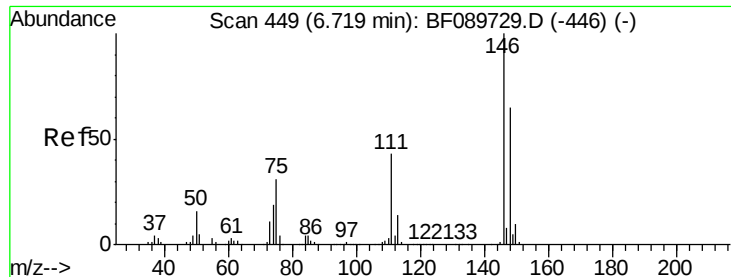
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.4

75 33.9 27.0 40.6

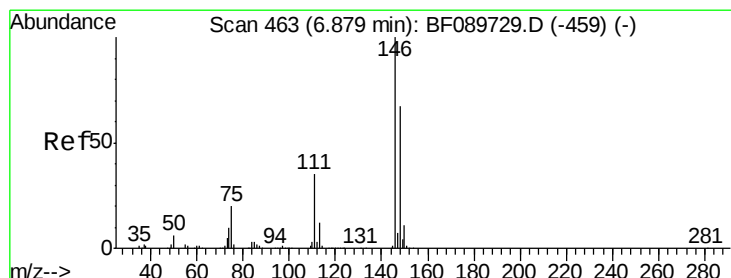
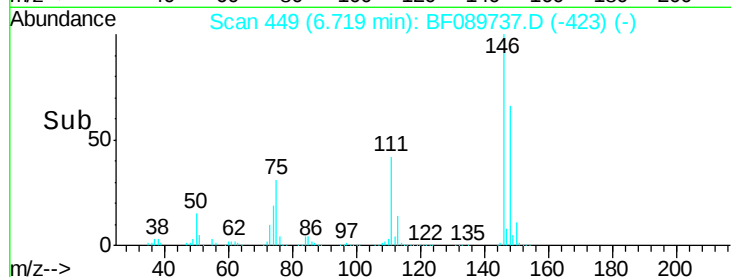
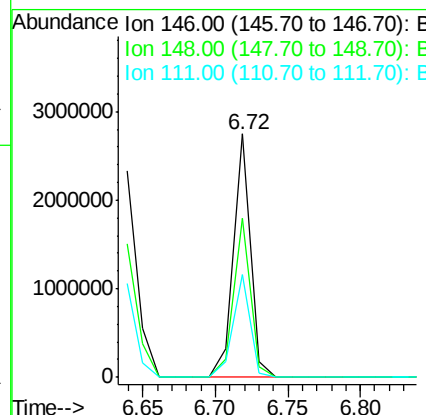
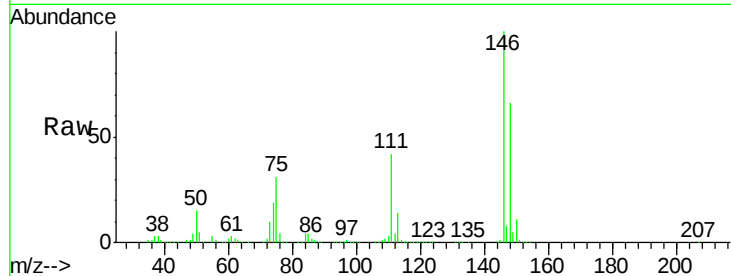




#13
 1,4-Dichlorobenzene
 Concen: 34.96 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089737.D
 Acq: 17 Aug 2016 2:18

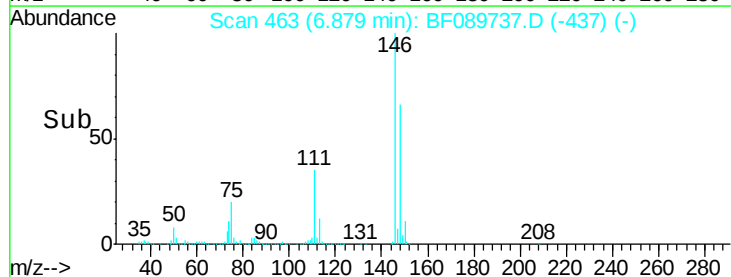
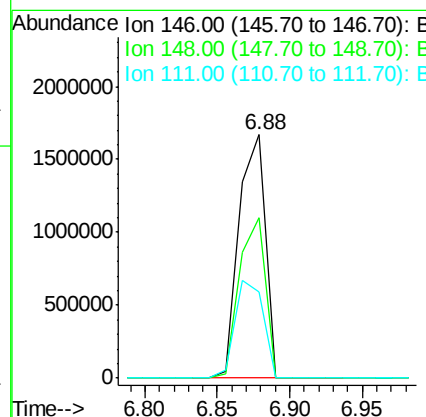
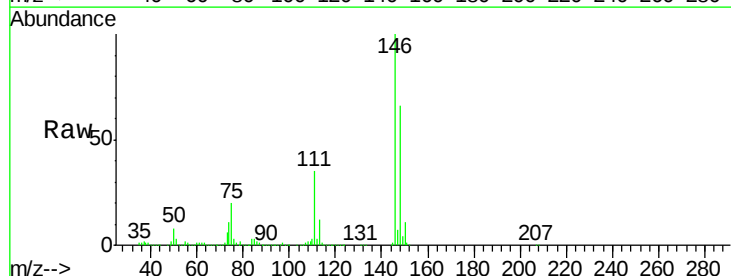
Instrument :
 BNA_F
 ClientSampleId :
 PB92806BS

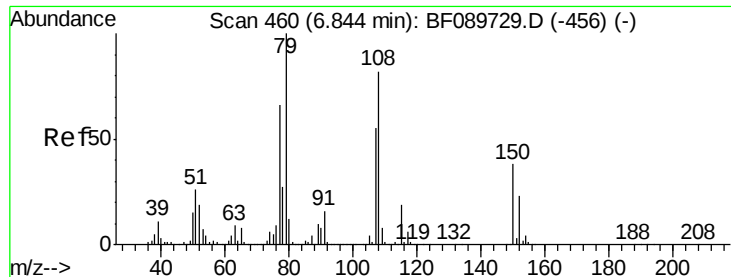
Tgt Ion:146 Resp: 2226343
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.0 76.6
 111 42.2 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 34.56 ng
 RT: 6.88 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF089737.D
 Acq: 17 Aug 2016 2:18

Tgt Ion:146 Resp: 2098224
 Ion Ratio Lower Upper
 146 100
 148 65.8 52.2 78.2
 111 35.4 29.8 44.6





#15

Benzyl Alcohol

Concen: 42.01 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

Instrument :

BNA_F

ClientSampleId :

PB92806BS

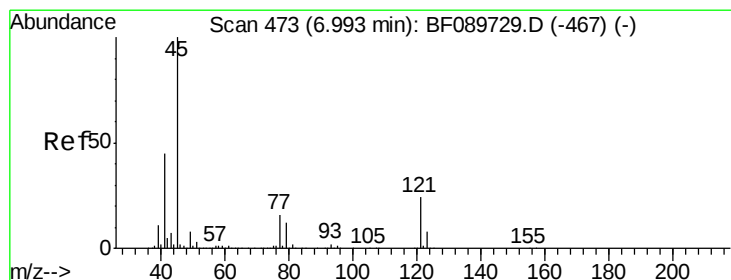
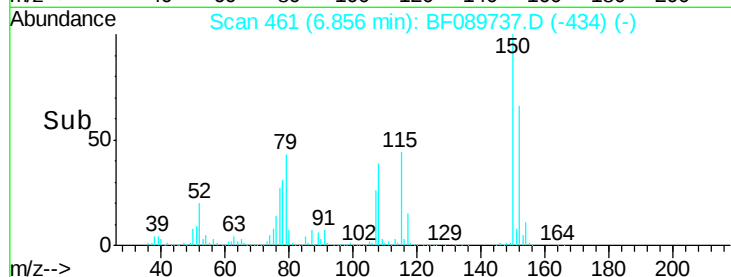
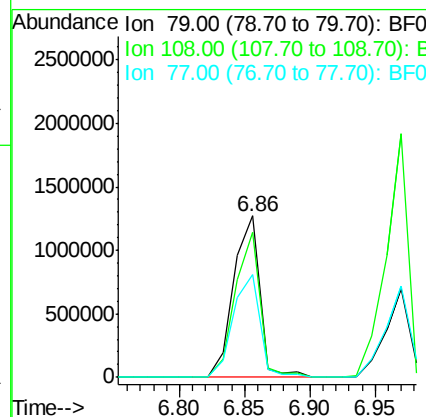
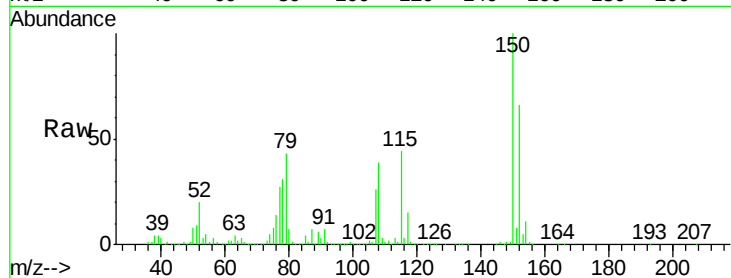
Tgt Ion: 79 Resp: 1765529

Ion Ratio Lower Upper

79 100

108 90.3 62.5 93.7

77 64.1 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.84 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089737.D

Acq: 17 Aug 2016 2:18

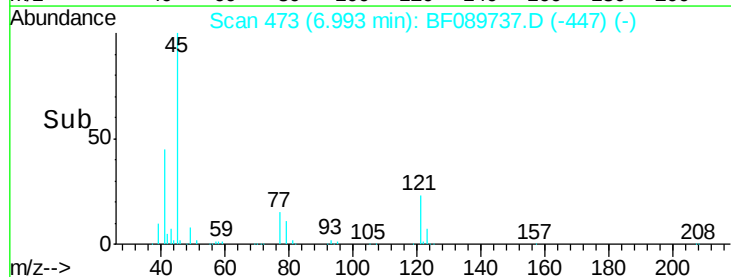
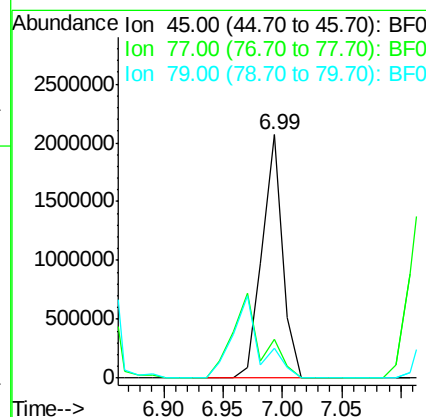
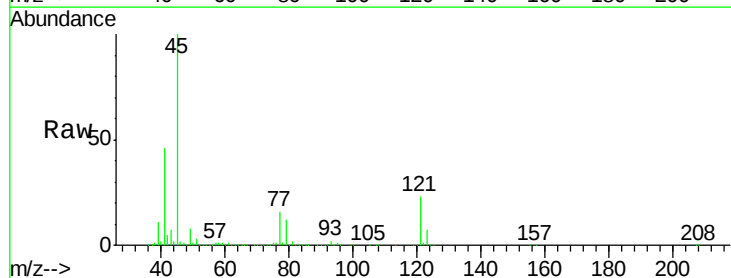
Tgt Ion: 45 Resp: 2498661

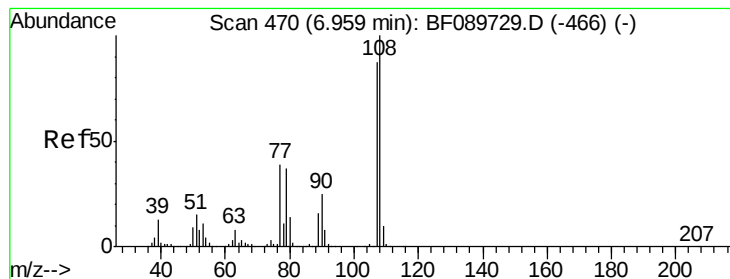
Ion Ratio Lower Upper

45 100

77 16.1 0.0 33.5

79 12.4 0.0 30.7

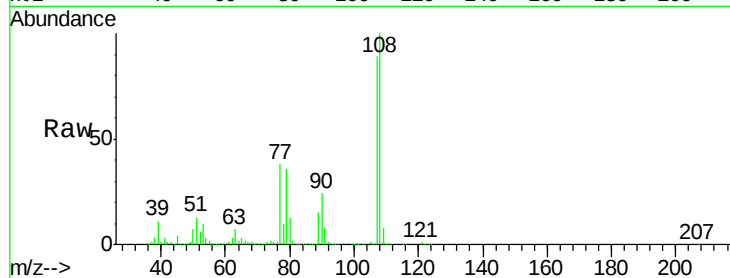




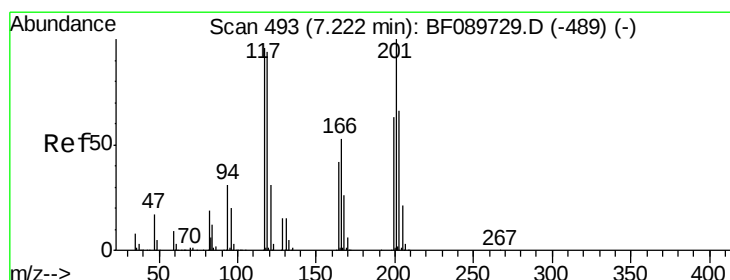
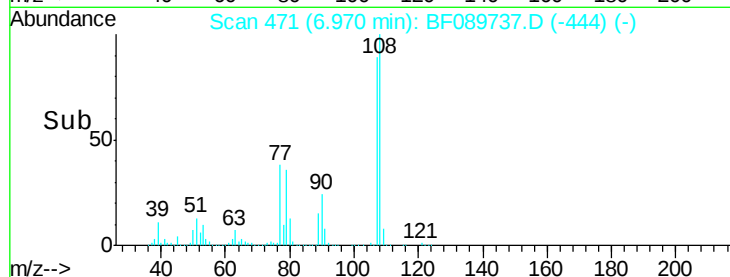
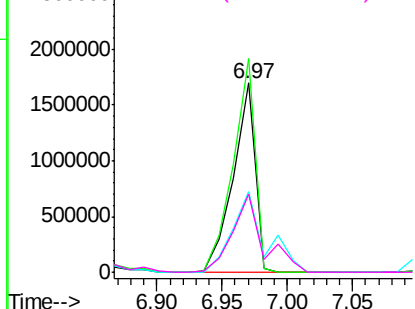
#17
2-Methylphenol
Concen: 42.17 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.01 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Instrument :
BNA_F
ClientSampleId :
PB92806BS

Tgt Ion:107 Resp: 1969952
Ion Ratio Lower Upper
107 100
108 112.8 91.0 136.4
77 42.5 37.4 56.0
79 41.0 36.6 55.0

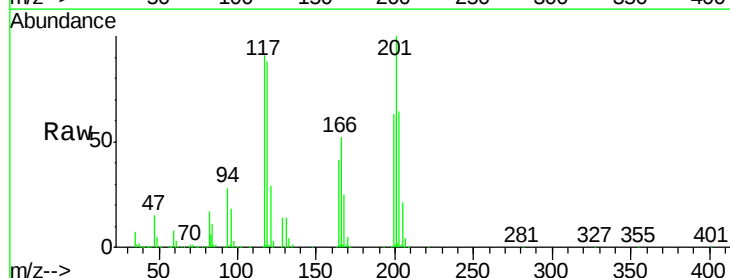


Abundance Ion 107.00 (106.70 to 107.70): E
3000000 Ion 108.00 (107.70 to 108.70): E
2500000 Ion 77.00 (76.70 to 77.70): BF0
2000000 Ion 79.00 (78.70 to 79.70): BF0
1500000
1000000
500000
0

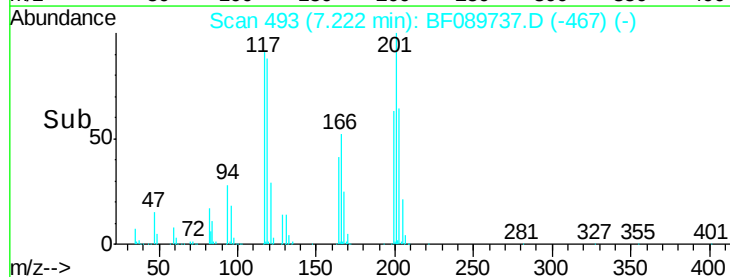
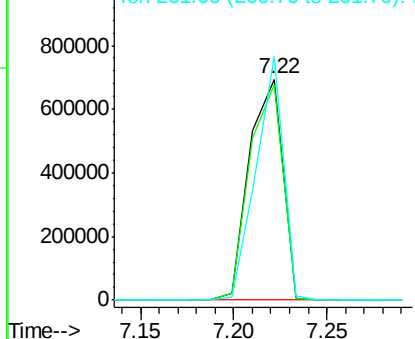


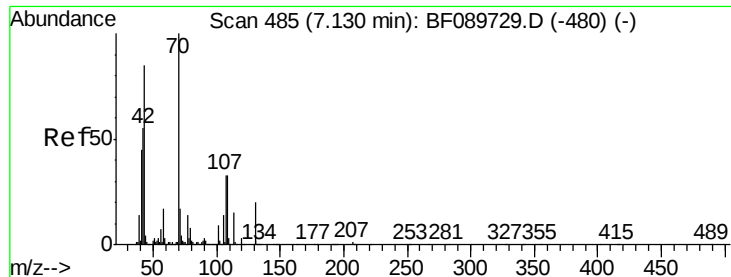
#18
Hexachloroethane
Concen: 36.77 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.00 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Tgt Ion:117 Resp: 858125
Ion Ratio Lower Upper
117 100
119 97.5 77.1 115.7
201 110.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): E
1000000 Ion 119.00 (118.70 to 119.70): E
800000 Ion 201.00 (200.70 to 201.70): E
600000
400000
200000
0

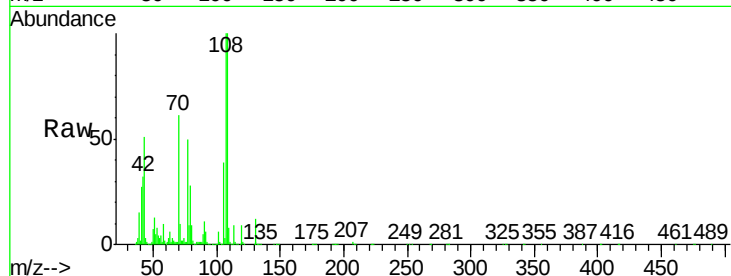




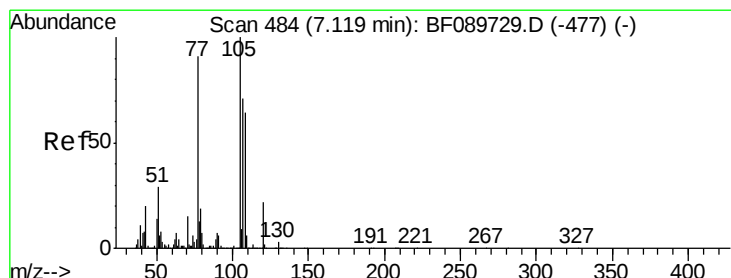
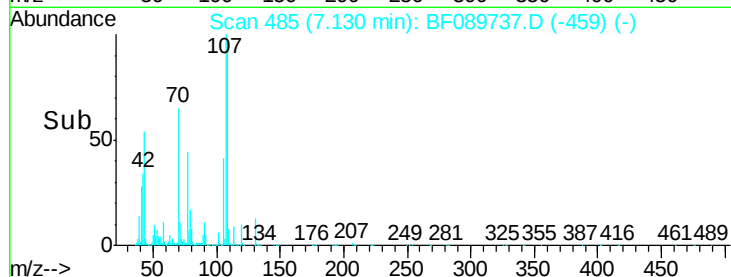
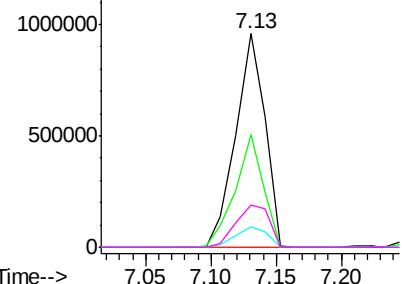
#19
n-Nitroso-di-n-propylamine
Concen: 36.53 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Instrument :
BNA_F
ClientSampleId :
PB92806BS

Tgt Ion: 70 Resp: 1504326
Ion Ratio Lower Upper
70 100
42 53.0 46.3 69.5
101 9.5 7.0 10.6
130 19.9 14.4 21.6

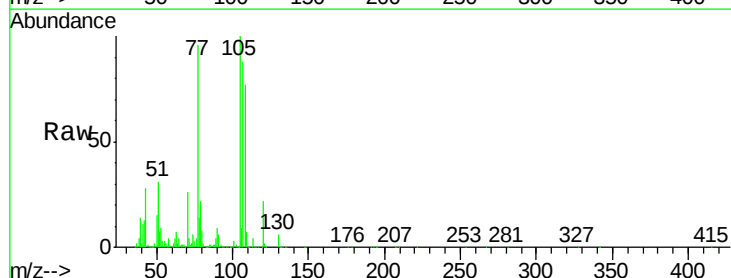


Abundance Ion 70.00 (69.70 to 70.70): BF0
1500000
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

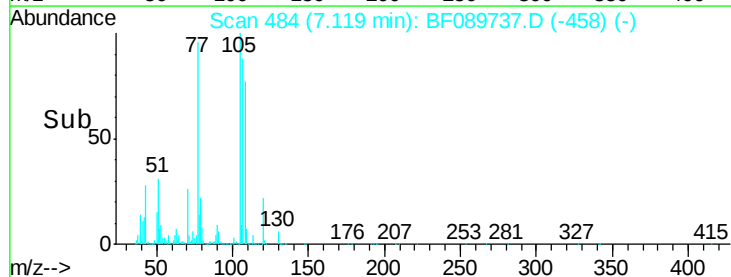
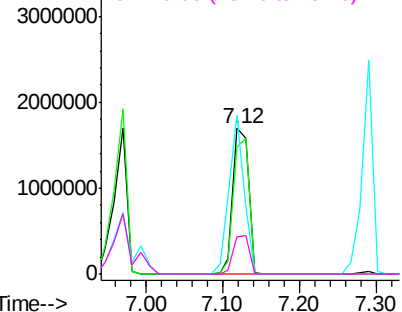


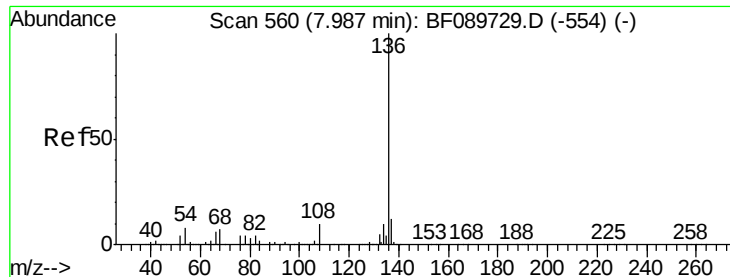
#20
3+4-Methylphenols
Concen: 39.90 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Tgt Ion: 107 Resp: 2387139
Ion Ratio Lower Upper
107 100
108 87.2 68.2 108.2
77 109.3 122.3 162.3#
79 25.1 8.2 48.2



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

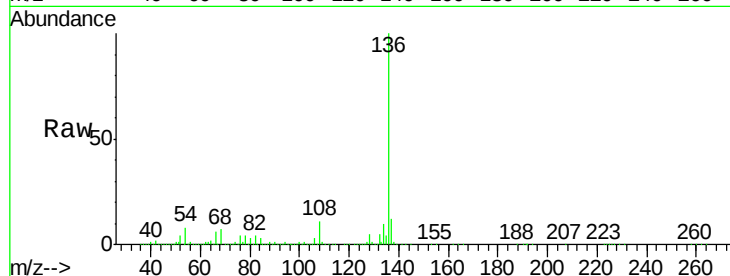




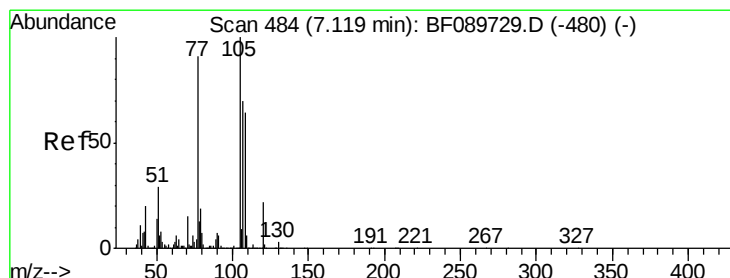
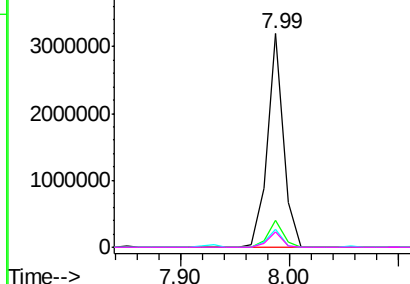
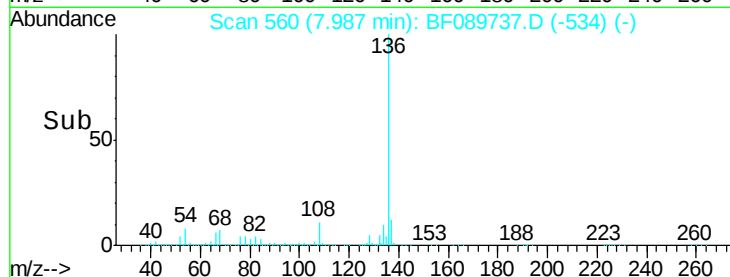
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Instrument :
BNA_F
ClientSampleId :
PB92806BS

Tgt Ion:	136	Resp:	3290989
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	8.2	7.2	10.8
68	7.0	5.8	8.8

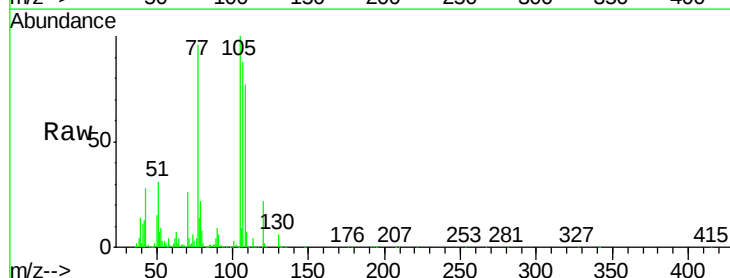


Abundance Ion 136.00 (135.70 to 136.70): E
5000000
Ion 137.00 (136.70 to 137.70): E
4000000
Ion 54.00 (53.70 to 54.70): BF0
3000000
Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 33.59 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089737.D
Acq: 17 Aug 2016 2:18

Tgt Ion:	105	Resp:	2569496
Ion	Ratio	Lower	Upper
105	100		
71	4.5	1.9	2.9#
51	31.0	28.5	42.7
120	21.8	16.6	25.0



Abundance Ion 105.00 (104.70 to 105.70): E
3000000
Ion 71.00 (70.70 to 71.70): BF0
2500000
Ion 51.00 (50.70 to 51.70): BF0
2000000
Ion 120.00 (119.70 to 120.70): E

